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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,230	08/05/2003	Sook Hee Chung	13672.5US01	6525
23552	7590	10/27/2005	EXAMINER	
MERCHANT & GOULD PC P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			COLILLA, DANIEL JAMES	
			ART UNIT	PAPER NUMBER
			2854	

DATE MAILED: 10/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



## **DETAILED ACTION**

### ***Specification***

1. A substitute specification in proper idiomatic English and in compliance with 37 CFR 1.52(a) and (b) is required. The substitute specification filed must be accompanied by a statement that it contains no new matter.

Some of the portions not in proper idiomatic English are as follows:

“A metallic layer is partially formed on a thermal transfer printing target member in such a manner that a metallic layer is partially deposited on a thermal transfer printing sheet for printing on a thermal transfer printing target member, and a partial transfer printing of a gold silver thermal transfer printing sheet represents that a gold silver layer on a gold silver thermal transfer printing sheet is partially printed on a transfer printing target member” (from page 4, lines 8-13).

“In the forming method using the thermal transfer printing sheet 21 according to an embodiment of the present invention, there are provided a feeding unit for feeding the base material 10 for thereby implementing a continuous process like a conveyor type, a transfer printing unit for printing the thermal transfer printing sheet 21 on the base material 10, a synthetic rubber roll or carving roll for dry-attaching the thermal transfer printing sheet 21, and a heating unit that the transfer conduction film 24 provides a heat to the transfer finished base material 10 at a certain distance. (from page 5, lines 13-19).

These are just a few examples of the problem with the specification. All such problems must be corrected.

2. The disclosure is objected to because of the following informalities:

On page 5, lines 4, 6 and 7 of the specification, reference numerals **22** and **23** are improperly used in association with the same structure, the ink conductive film.

On page 5, lines 2-3 of the specification, applicant states that, "a base material 10 is heated by a thermal transfer printing sheet 21." This, however, does not appear to make sense. Perhaps applicant intended to mean that the base material 10 is heated by roller 43?

Appropriate correction is required.

#### ***Claim Objections***

3. The claims are objected to because they include reference characters which are not enclosed within parentheses.

Reference characters corresponding to elements recited in the detailed description of the drawings and used in conjunction with the recitation of the same element or group of elements in the claims should be enclosed within parentheses so as to avoid confusion with other numbers or characters which may appear in the claims. See MPEP § 608.01(m).

#### ***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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5. Claims 1-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, line 4, applicant's use of the phrase, "a partial deposition thermal transfer printing sheet" is vague and indefinite. It is not clear if applicant is referring to a particular type of printing sheet called "partial deposition" or if applicant is intending to recite, --partially printing a thermal transfer sheet.-- If the latter is true, then it would appear that applicant's use of the alternative in the claim is unnecessary since "thermal transfer printing sheet" would necessarily include a "gold silver thermal transfer printing sheet."

In claim 1, line 5, applicant's term "gold silver thermal transfer printing sheet" is indefinite. It is not clear if applicant intends to mean --a gold or silver thermal transfer printing sheet-- or if applicant has some other intention.

In claim 1, line 8, it would appear that applicant's term, "a conduction film" is actually a double recitation of the thermal transfer printing sheet that was printed as previously recited in the claim. Figure 3 of applicant's specification shows that the thermal transfer printing sheet 21 is transferred to the base material 10 in which it is then represented by reference numeral 24 (conduction film).

Claim 11 appears to be an entire double recitation of claim 10.

Appropriate correction is required.

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*Due to the extensive 112, second paragraph problems with the claims, prior art could not accurately be applied to the claims at this time. Once the 112 problems have been overcome, any relevant prior art will be applied.*

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Colilla whose telephone number is 571-272-2157. The examiner can normally be reached on M-F 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on 571-272-2168. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

October 24, 2005



Daniel J. Colilla  
Primary Examiner  
Art Unit 2854